CLAIMS

What is claimed is:

1. A method for spelling ideographic symbols, comprising:

    providing a first component identifying a first group of ideographic symbols; and

5   providing a second component identifying a second group of ideographic symbols;

    wherein the first and second groups comprise at least one common ideographic symbol identified by the first and second components,

    wherein the first and second components identify the common ideographic symbol.

10   2. The method of claim 1, wherein the common ideographic symbol is represented by a series of alphanumerals.

   3. The method of claim 1, further comprising providing a third component to differentiate and to uniquely identify each common ideographic symbol when the first and second groups comprise more than one common ideographic symbols.

15   4. A method for spelling and encoding an ideographic symbol, comprising:

    providing a series of alphanumerals for uniquely identifying the ideographic symbol; and

    encoding the series of alphanumerals by 7-bit ASCII codes.

   5. The method of claim 4, wherein the series of alphanumerals is formed

20   according to claim 2.

   6. A method for spelling ideographic symbols, comprising:

    providing first and second components identifying first and second groups of ideographic symbols respectively, wherein the first and second groups comprise at least one common ideographic symbol; and

25   forming a spelling by combining the first and second components to identify the common ideographic symbol.

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7.   The spelling method of claim 6, wherein the spelling is formed by one or more alphanumerals.

8.   The spelling method of claim 6, wherein the first component is followed by the second component.

9.   The spelling method of claim 6, wherein the first component comprises one or more English-language alphabetic letters.

10.   The spelling method of claim 6, wherein the first component comprises one or more English-language alphabetic letters and one Arabic numeral.

11.   The spelling method of claim 6, wherein the first component is a phonetic spelling of the first group of ideographic symbols.

12.   The spelling method of claim 6, wherein the ideographic symbols are Chinese characters.

13.   The spelling method of claim 12, wherein the first component is a Pinyin spelling of the first group of ideographic symbols.

14.   The spelling method of claim 12, wherein the Pinyin spelling comprises a sound portion and a tone portion.

15.   The spelling method of claim 12, wherein the first component is a Zhuyin spelling of the first group of ideographic symbols.

16.   The spelling method of claim 6, wherein the second component is a shape-based component of the second group of ideographic symbols.

17.   The spelling method of claim 16, wherein the second component is a Four Corner Numerical Index of the second group of ideographic symbols.

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18.   The spelling method of claim 6, further comprising a third component for differentiating a plurality of common ideographic symbols, when the first and second groups comprise more than one common ideographic symbol, to uniquely identifying each common ideographic symbol.

5   19.   The spelling method of claim 18, wherein the third component is a single alphanumeral.

20.   The spelling method of claim 18, wherein the spelling is a series of alphanumerals.

21.   A spelling formed according to claim 6.

10   22.   The spelling of claim 21 comprising a series of alphanumerals.

23.   A mapping medium for recording the correlation between the spelling as recited in claim 21 and the corresponding ideographic symbol.

24.   The mapping medium of claim 23 comprising a two-column table.

25.   The mapping medium of claim 23 comprising a computer readable
15   medium for instructing a computer to output the corresponding ideographic symbol after the spelling is inputted into the computer.

26.   The mapping medium of claim 23 further recording the correlation between a GB code and the corresponding spelling of the same ideographic symbol.

27.   The mapping medium of claim 23 further recording the correlation
20   between a Big5 code and the corresponding spelling of the same ideographic symbol.

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28. A converting member for converting an ASCII encoded spelling to the corresponding unique ideographic symbol, wherein the spelling is as recited in claim 21 and encoded by 7-bit ASCII codes.

29. The converting member of claim 28 comprising a computer readable
5 medium for instructing a computer to output the corresponding ideographic symbol after the encoded spelling is received by the computer.

30. A computer apparatus for processing information containing one or more ideographic symbols, comprising:
a central processing unit device;
10 a memory device;
an input device; and
an output device;
wherein the output device outputs the ideographic symbol upon receipt of a corresponding spelling as recited in claim 21.

15 31. A spelling method for uniquely identifying an ideographic symbol, comprising:
providing one or more first components each representing one of a plurality types of ideographic symbols, each type comprising one or more ideographic symbols; and
providing one or more sets of second components, each set corresponding with a
20 first component and comprising one or more second components;
wherein each set of the second components uniquely correlate with the ideographic symbols identified by a corresponding first component.

32. The spelling method of claim 31, wherein the first component represents all special ideographic symbols defined under the Big5 Standard and wherein the
25 corresponding set of the second components are internal codes under the Big5 Encoding system.

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33. The spelling method of claim 31, wherein the first component represents all special ideographic symbols defined under the GB Standard and wherein the corresponding set of the second components are internal codes under the GB-2312 Encoding system.

5   34. The spelling method of claim 31, wherein the first component represents all special ideographic symbols defined under the CJK Standard and wherein the corresponding set of the second components are internal codes under the CJK Encoding system.

35. The spelling method of claim 31, wherein one of the first components
10   represents all Roman numerals and wherein the corresponding set of the second components are Big5 internal codes corresponding to the Roman numerals.

36. The spelling method of claim 31, wherein one of the first components represents all Roman numerals and wherein the corresponding set of the second components are Arabic numerals corresponding to the Roman numerals.

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